Abstract

A positron emission camera comprising a plurality of scintillators, wherein the scintillators include LuAlO₃:Ce (Lu_xY_{1-x}AP where $0.5 \le x \le 0.995$) based crystals (18,20). In particular, the scintillation crystals (18,20) are Lu_xY_{1-x}AP where $0.5 \le x \le 0.995$.